

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 402 520 A3**

(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **89114658.1**(51) Int. Cl.<sup>5</sup>: **H01L 21/00**(22) Date of filing: **08.08.89**(30) Priority: **16.06.89 JP 152157/89**(43) Date of publication of application:  
**19.12.90 Bulletin 90/51**(84) Designated Contracting States:  
**DE FR GB IT**(68) Date of deferred publication of the search report:  
**10.07.91 Bulletin 91/28**(71) Applicant: **ENYA MFG. CO., LTD.**

8-36, Yoshinodai 2-chome  
Kawagoe-shi Saitama-ken(JP)

(72) Inventor: **Suzuki, Shizuo**  
20, Nishiwake-cho 1-chome  
Oume-shi Tokyo(JP)

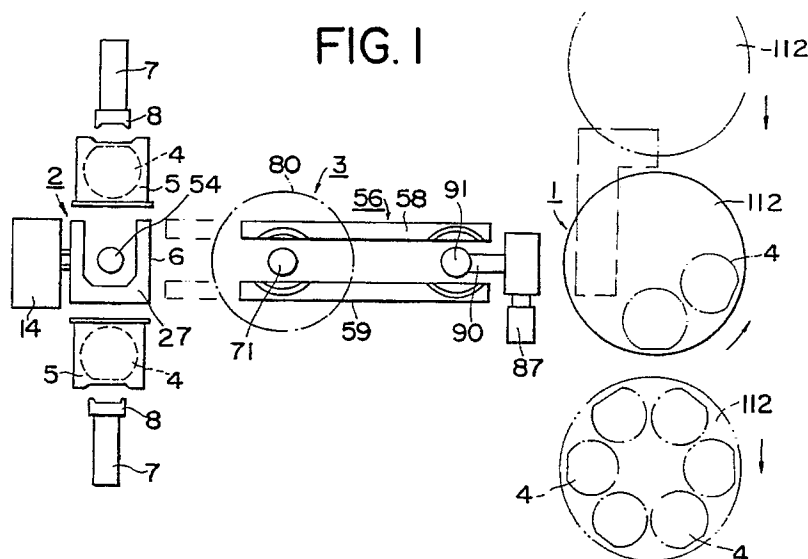
(74) Representative: **Klingseisen, Franz, Dipl.-Ing.**  
et al  
Dr. F. Zumstein Dipl.-Ing. F. Klingseisen  
Bräuhäusstrasse 4  
W-8000 München 2(DE)

(54) **Automatic wafer adhering device.**

(57) A wafer adhering device for automatically adhering wafers on a polishing plate for polishing the surface of the wafers.

The wafers are taken out from a wafer cassette one by one, and transferred to an adhesive coating section by a carrying means. The surface of the wafers are coated by the adhesive wax in the coating section. After the adhesive coated wafers are

carried out from the coating section by the carrying means, the wafers are taken out from the carrying means and are reversed the surfaces thereof by a reverse chuck means. The polishing plate is waited on the position where the reversed wafers are arrived, and the wafers are adhered onto the surface of the polishing plate.

**EP 0 402 520 A3**



European  
Patent Office

## EUROPEAN SEARCH REPORT

Application Number

EP 89 11 4658

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	JP-A-6 331 645 (ENYA) * the whole document & US-A-4960485(ENYA) * -----	1-13	H 01 L 21/00 B 24 B 37/04
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 01 L B 24 B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 08 May 91	Examiner LOMMEL A.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &amp;: member of the same patent family, corresponding document</div>			